PATENT ABSTRACTS OF JAPAN

(11)Publication number:

2001-020900

(43)Date of publication of application: 23.01.2001

(51)Int.CI.

F04F 5/10 F02M 37/18

(21)Application number: 11-188093

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(22)Date of filing:

01.07.1999

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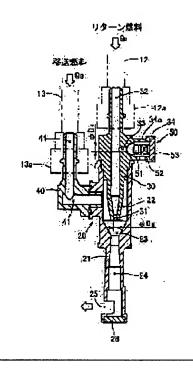
UEDA YOSHINORI

(54) JET PUMP

(57)Abstract:

PROBLEM TO BE SOLVED: To suppress a flow rate change of liquid, preventing a rise of back pressure by liquid by setting a relief restriction diameter of a relief port within a specified range in a jet pump provided with a relief valve for discharging liquid introduced into an introduction port through the relief port.

SOLUTION: This jet pump 20 discharges introduced liquid from a relief port 33 by a relief valve 50 when pressure within an introduction port 32 becomes a fixed value or more. In this case, when a nozzle restriction diameter of a nozzle 31, a relief restriction diameter of the relief port 33 and the total restriction diameters are fixed as ϕDN, ϕDR and ϕDr, respectively, the relief restriction diameter ϕDR is set within a range of a value determined based on the nozzle restriction diameter ϕDN fixed according to flow rate performance and a minimum value of the total restriction diameter ϕDr capable of discharging maximum flow rate of introduced liquid or more and a value that transfer fluid of prescribed flow rate can be transferred by introduced liquid of minimum flow rate in cased of the relief valve 50 trouble in opening or below.



LEGAL STATUS

[Date of request for examination]

15.01.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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